

# ARMY PROGRAMS

## Land Warrior

**T**he Land Warrior is a first generation integrated fighting system designed to enhance Infantry team combat power and situational awareness. It is intended to enhance small unit lethality, command and control, survivability, mobility, and sustainment. Land Warrior integrates everything that the soldier wears or carries into a system-of-systems.

Land Warrior consists of five sub-systems:

- Computer/radio sub-system including a computer, soldier intercom, leader radio and navigation/Global Positioning System.
- Integrated helmet assembly sub-system including a helmet-mounted display and a night image intensification device.
- Weapon sub-system with currently fielded M4 modular weapon system, thermal weapon sight, close combat optic, infrared aiming light, laser range finder, and digital compass capabilities.
- Software sub-system.
- Protective clothing and individual equipment sub-system including body armor; nuclear, biological, and chemical protective clothing; laser protective eyewear; and load bearing equipment.

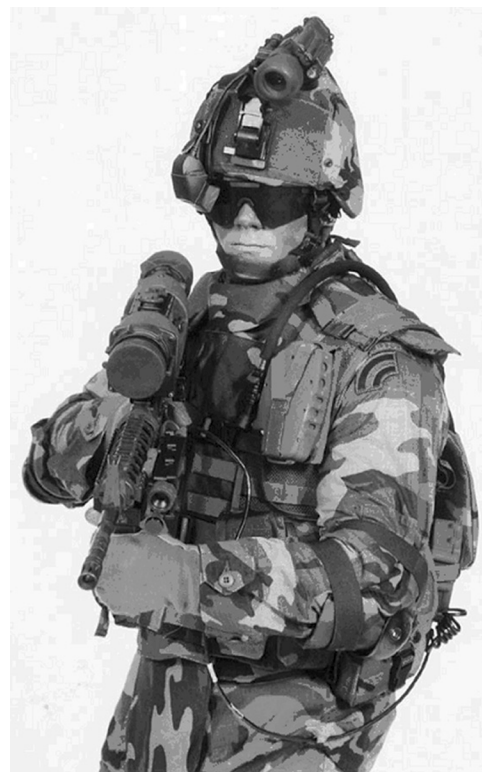
The program integrates a combination of Land Warrior developed equipment, Organizational Clothing and Individual Equipment, and other items under development to be provided to the Land Warrior program as government furnished equipment. Land Warrior is intended to be fully interoperable with the digital command and control systems of other platforms.

The strategy of the Land Warrior program office is to acquire Land Warrior in blocks I, II, and III. Blocks I and II are also known as Land Warrior–Initial Capability (LW–IC) and Land Warrior–Stryker Interoperable Capability (LW–SI), respectively.

An Early Operational Experiment (EOE) was conducted from October to December 1996, at Ft. Benning, Georgia, with ten surrogate prototypes. This EOE provided human factors information, principally with respect to the performance of the helmet and load-bearing equipment, which supported system design reviews. Additionally, the EOE was used to aid in the development of tactics, techniques, and procedures. Land Warrior was originally scheduled to begin operational testing in FY98. Due to hardware problems encountered during technical testing in April 1998, the program manager halted further system development pending an overall program review and subsequent program restructuring. Land Warrior was placed on OSD Test and Evaluation oversight in April 1998.

### TEST & EVALUATION ACTIVITY

No operational test has occurred to date. Land Warrior participated in the Joint Contingency Force Advance Warfighting Experiment (JCF AWE) conducted at the Joint Readiness Training Center, Fort Polk, Louisiana, in September 2000. During JCF AWE, a platoon from the 82<sup>nd</sup> Airborne Division, equipped with prototype Land Warrior systems, demonstrated the potential of Land Warrior to enhance tactical movement, survivability, and situational awareness. Combined contractor and Developmental Testing (DT) for the restructured program began in August 2002 and demonstrated the presence of LW-IC functionally while also establishing a reliability baseline for the program.



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The Land Warrior Test and Evaluation Master Plan (TEMP) was approved in August 1994. A revised Land Warrior TEMP is being developed and is scheduled to be submitted to DOT&E in January 2003. The Initial Operational Test and Evaluation (IOT&E) of the LW-IC version is scheduled for FY03.

## **TEST & EVALUATION ASSESSMENT**

The LW-IC version of the system is mature enough to enter DT. By February 2003, the program office will evaluate whether LW-IC is ready to enter operational test for the purpose of obtaining a full-rate production decision. After adequate testing of production representative systems, DOT&E will submit a Beyond Low-Rate Initial Production report to Congress. The IOT&E for LW-IC will also be the low-rate initial production decision for LW-SI, with follow on testing and evaluation scheduled for FY05.